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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/644,797	08/24/2000	Hisashi Amafuji	D-990	2917

7590 10/21/2002

Kanesaka and Takeuchi  
1423 Powhatan Street  
Alexandria, VA 22314

EXAMINER

BELL, PAUL A

ART UNIT	PAPER NUMBER
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2675

DATE MAILED: 10/21/2002

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Please find below and/or attached an Office communication concerning this application or proceeding.

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# Office Action Summary

Application No.  
09/644,797

Applicant(s)  
HISASHI ET AL.

Examiner  
Paul Bell

Art Unit  
2675



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☒ Responsive to communication(s) filed on Jul 23, 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above, claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 8 is/are allowed.
- 6) ☒ Claim(s) 1-4, 9, and 10 is/are rejected.
- 7) ☒ Claim(s) 5-7 is/are objected to.
- 8) ☐ Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☒ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\*See the attached detailed Office action for a list of the certified copies not received.

- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_ 6) ☐ Other: \_\_\_\_\_

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## DETAILED ACTION

### *Claim Rejections - 35 USC § 112*

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claims 9 and 10 are rejected under 35 U.S.C. 112, first paragraph, as containing subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. With regard to claims 9 and 10 the phrase “wherein said computer **receives** a plurality of different kinds of signals, said signals being transferred to the body side output transmission circuit” is not supported. It seems like the word “transmits” should be used instead of “receives” when looking at figure 2.

### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371© of this title before the invention thereof by the applicant for patent.

4. Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Yasukawa et al. (5,977,935).

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With regard to claim 1 Yasukawa et al. (5,977,935) teaches a body mounting display system, comprising: a display device to be worn by a user and having at least one interface and a first bus line connected to the at least one interface (figure 1, item 2 it is inherent that item 2 has a first bus line and at least one interface or it would not work very broad language); a computer situated away from the display device and having a second bus line (figure 1, item 3 it is inherent that the CPU in item 3 is connected to a second bus line or it would not work) for outputting signals corresponding to at least display data (figure 1, item 5 and 6); and a radio transmission device disposed between the display device and the computer (figure 46, items 201 and 202), and including a computer side output transmission circuit connected to the computer through the second bus line (figure 47, item 99) and a body side output transmission circuit (figure 47, item 203) connected to the display device through the first bus line and the at least one interface so that the signals at the computer passing through the second bus line are transmitted to the first bus line at the display device by wireless (figure 47, item 201 and 202) as they are, and are processed at a user side to be displayed at the display device through the at least one interface (it is inherent that the video data received by wireless means is processed (broad term) on the user side).

***Claim Rejections - 35 USC § 103***

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person

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having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yasukawa et al. (5,977,935).

With regard to claim 2 Yasukawa et al. does not directly or explicitly illustrate details such as, “wherein said computer side output transmission circuit includes a first buffer memory to which data corresponding to the signal is written by the computer, a first reading device for reading data stored in the first buffer memory and converting the data to a communication signal, and a first sending device for the communication signal”.

Yasukawa et al. instead illustrates a simple block labeled “Transmission Circuit item 99 in figure 47” connected to his computer. It is well known in the art of “communication transmission” for a computer to first write data into a buffer memory in the transmission circuit and when it is ready, it reads it and converts it to a RF signal and then sends it.

Yasukawa et al. also does not directly or explicitly illustrate details such as, “wherein said body side output transmission circuit includes a first receiving device for receiving the communication signal sent from the computer side output transmission circuit, and a first restoring device for restoring the received communication signal to a restored signal corresponding to the signal outputted from the computer”.

Yasukawa et al. instead illustrates a simple block labeled “Transmission Circuit item 203 in figure 47” connected to his display. It is well known in the art of “communication transmission” for the receiver to restore the received communication signal to the signal

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outputted from the computer because this is inherent and essential for the display to use it properly. Therefore it would of been obvious to one of ordinary skill in the art at the time the invention was made to implement Yasukawa et al. items 99 and 203 as claimed by applicant because such structure and method are conventional and well known in the art of asynchronous communications and to do so would be the most expedient way of doing it.

With regard to claim 3 Yasukawa et al. teaches further comprising an image output interface connected to the first restoring device and the display device for producing a signal for actuating the display device based on the restored signal outputted from the first restoring device (figure 47, item 105).

With regard to claim 4 Yasukawa et al. was shown above in claims 1-3 to read on all of the limitations of claim 4.

***Allowable Subject Matter***

7. Claim 8 is allowed.
8. Claims 5-7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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*Response to Arguments*

9. Applicant's arguments filed 7/23/2002 have been fully considered but they are not persuasive in regards to claims.

In response to applicant's argument that the references fail to show certain features of applicant's invention, it is noted that the features upon which applicant relies;

(i.e., all kinds of signals in the computer are transferred to the display device without interfaces, and are processed at the display device where they are selected by the proper interfaces and are used for display, speaker and so on (summary of pages 6 and 7)) are not recited in the rejected claim(s). Although the claims are interpreted in light of the specification, limitations from the specification are not read into the claims. See *In re Van Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

The independent claims 1 and 4 can be interpreted to have only one interface which receives display signals corresponding to only display data and therefore Yasukawa et al. reads on it.

*Conclusion*

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.


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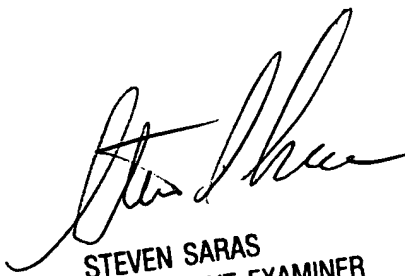
*Conclusion*

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul Bell whose telephone number is (703) 306-3019. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven Saras, can be reached at (703) 305-9720.

Any response to this action should be mailed to: Commissioner of Patents and Trademarks  
Washington, D.C. 20231  
or faxed to: (703) 872-9314

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist). Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

  
Paul Bell  
Art unit 2675  
8 October 2002

  
STEVEN SARAS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600